IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applica Applica Date Fil	tion No.:	Stewart, Kenneth A. et al.	Group Art Unit: Examiner: Batch No.:
Title:		MULTI-PASS INTERFEREN COMMUNICATION SYSTE	CE REDUCTION IN A GSM M
		INFORMATION DISCL	OSURE STATEMENT (IDS)
		or Patents 22313-1450	
SIR:			
	n attache		ompliance with 37 C.F.R. §§1.97 and 1.98, the references ently identified herein, are being submitted herewith fourk Office.
I.	COPIES a.⊠ b.□	A legible copy of (i) each U.S. and caused it to be listed; and (iii) all ot is included herewith. Any patents, publications or other	foreign patents; (ii) each publication or that portion which her information or that portion which caused it to be listed on PTO/SB/08 which are no
			cited by or submitted to the PTO in one of the following pon for an earlier filing date under 35 U.S.C. §120:
		U.S. Serial Number	U.S. Filing Date
II.	CONCI a. ⊠ b. □ c. □	information are in the English langu A concise explanation of the releva that is not in the English language is	n (b) of this section, all of the patents, publications or othe age (concise explanation not required). nce of all patents, publications or other information listed
III. 🔲	The Exa		o-pending application(s) contain(s) subject matter that magning this (these) applications to the Examiner's attention
	Serial N	lo. Filing Da	ate Art Unit
			FEES
IV. 🛭	THIS II a.⊠	prosecution application under § 1	F.R. §1.97(b): (check one box) date of a national application other than a continued (53(d) (37 C.F.R. §1.97(b)(1)). No fee or statement is
	b. 🗌		entry of the national stage as set forth in § 1.491 in a §1.97(b)(2)). No fee or statement is required.
	c.		fice Action on the merits (37 C.F.R. §1.97(b)(3)). No fe
	d.	before the mailing date of a first	Office Action after the filing of a request for continued R. § 1.97(b)(4)). No fee or statement is required.

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V. 🗌	before the	he mailin 7 C.F.R. {)).	g date of any o §1.311, or an a	f a Final Office ction that other	e Actio wise cl	oses prosecution	R. §1.113, a Notic in the application	(See 37 C.F.R.
	а b	§1.17(p)				Juni 502117 me	fee set forth in 37	C.F.K.
VI. 🗌		fore payr a statem	ent under 37 C	e fee and is acc .F.R. §1.97(e) a	compan as prov	7(d): lied by the follow ided below; and fee set forth in §		
VII.		each ite Patent C of IDS; no item Patent C statement known t filing of some of	hereby states the of information of information of information of information of information of after making of any individuation of information of informat	nat on contained in terpart foreign n contained in terpart foreign reasonable in al designated in or nformation con	n the II applica the ID applica quiry, 1 n 37 C	S was cited in ation, and to kno no item of infor. F.R. 1.56(c) moin the IDS were	a communication an three months properties a communication owledge of the permation contained for than three months igned states that	from a foreign son signing the in the IDS was ths prior to the nication from a
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VIII.	PAYME	Please of fee(s). If Appli Commis	in the amount harge Deposit cant has overlo sioner is hereb	Account 50211 oked any additi y authorized to	7 in the ional fe credit	e amount of \$180 ees, or if any ove or debit Deposit	-identified fee(s). 0.00 for the above- rpayment has been Account 502117. narges and debits.	
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	ROLA, II er Numbe					Shigeharu Furuk Agent for Appli Reg. No. 50,481 Tel. 847-523-19	cawa cant(s)	, . 11 0 3
Enclosu	ires:		PTO/SB/08 References Foreign Searc Other:	h Report				

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Substitute for fo	m 1449A/PTO			Complete if Known				
				Application Number				
II.	NFORMATION DIS	CLOSU	RE	Filing Date	10/17/03			
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Sheet	1 1	of	2	 Attorney Docket Number	CS23196RL	_		

			J. S. PATENT DOCU	MENTS	
Examiner Initials*	Cite No. 1	Document Number Number -Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US - 5,933,768	08-03-1999	Skold et al.	
		US - 6,026,130	02-15-2000	Rahmatullah et al.	
		US - 6,044,111	03-28-2000	Meyer et al.	
		US - 2002/0131488 A1	09-19-2002	Alpress et al.	
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		US - 10/366,106	02-13-2003	Buckley et al.	
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	-	FOREIGN P	ATENT DOCUMENT	S		
Examine r Initials*	Cite No. 1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		WO 98/16021	04-16-1998	Statistical Signal Processing Inc.		
		WO 00/64061	10-26-2000	Telefonaktiebolaget LM Ericsson		
		WO 01/50291 A1	07-12-2001	Leonard et al.		
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¹ Unique citation designation number. ² See Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WiPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WiPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

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Substitute for form	1449A/PTO			Complete if Known			
				Application Number			
INF	FORMATION D	ISCLOSUR	Ε	Filing Date	10/17/03		
ST	ATEMENT BY	APPLICAN	т	First Named Inventor	Stewart, Kenneth A. et al.		
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Sheet	2	of	2	Attorney Docket Number	CS23196RL		

		NON PATENT LITERATURE DOCUMENTS	T2				
Examiner Initials*	Cite No. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
		"Downlink GMSK Interference Suppression Performance Evaluation", 3GPP TSG GERAN #9, Seattle, WA, USA, April 15th-19th 2002, Ericsson, 15 pages					
		"Single Antenna Interference Cancellation in MS for GSM Networks", 3GPP TSG-GERAN #9, Seattle, WA, USA, April 15th-19th 2002, Cingular Wireless, Philips Semidonductors, SBC Technology Resources, Inc., 4 pages					
		"Laboratory & Field Testing of SAIC for GSM Networks", 3GPP TSG GERAN #11, Los Angeles, CA, USA, Cingular Wireless, Philips Semiconductors, 20 pages					
		PIERO CASTOLDI, RICHARDO RAHELI AND GIOVANNI MARION, "Efficient Trellis Search Algorithms for Adaptive MLSE on Fast Rayleigh Fading Channels", Dipartimento di Ingegneria del'Informazione, Universita di Parma, Parma – Italy, 1994 IEEE, 5 pages					
		ABDULRAUF HAFEEZ, KARL J. MOLNAR, GREGORY E. BOTTOMLEY, "Co-Channel Interference Cancellation for D-AMPS Handsets", EECS Dept., U. of Michigan, Ericsson Inc., 1999 IEEE, 6 pages					
		HAFEDH TRIGUI AND DIRK T.M. SLOCK, "Training Sequence Based Multiuser Channel Identification for Co-Channel Interference Cancellation in GSM", Institu EURECOM, France, 1999 IEEE, 20 pages					
		OMA Open Mobile Alliance "Download Architecture Version 1.0", Version 10-June-2002, 24 pages					

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